A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B28B19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B28B B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US 2 168 803 A (JOHN PAGE) 8 August 1939 (1939-08-08) page 1, column 2, line 55 -page 2, column 2, line 25 claim 1; figures 1,2	1,2,7,12
US 2 537 509 A (CAMP THOMAS P) 9 January 1951 (1951-01-09) the whole document	1,2,7
US 2001/044016 A1 (WATRAS EDWARD W) 22 November 2001 (2001-11-22) claim 1; figures 4-6	1,7
	US 2 168 803 A (JOHN PAGE) 8 August 1939 (1939-08-08) page 1, column 2, line 55 -page 2, column 2, line 25 claim 1; figures 1,2 US 2 537 509 A (CAMP THOMAS P) 9 January 1951 (1951-01-09) the whole document US 2001/044016 A1 (WATRAS EDWARD W) 22 November 2001 (2001-11-22)

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	 "T" tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of maiting of the international search report
12 September 2003	22/09/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer Orij, J

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